## 504753273 01/30/2018

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SEUNGWOOK PARK	05/22/2013
JAEHYUN LIM	05/22/2013
YONGJOON JEON	05/22/2013
HENDRY HENDRY	05/22/2013
YOUNGHEE CHOI	12/14/2012
JAEWON SUNG	06/05/2013
JUNGSUN KIM	05/22/2013
BYEONGMOON JEON	05/22/2013
JOONYOUNG PARK	05/16/2013

### **RECEIVING PARTY DATA**

Name:	LG ELECTRONICS INC.
Street Address:	128, YEOUI-DAERO, YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15883280

# **CORRESPONDENCE DATA**

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 202-496-7500

Email: mlapto@mckennalong.com

Correspondent Name: DENTONS US LLP
Address Line 1: 1900 K. STREET, N.W.
Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER:	8736.01260.US21
NAME OF SUBMITTER:	YONG S. CHOI

PATENT 504753273 REEL: 044766 FRAME: 0930

SIGNATURE:	/Yong S. Choi/
DATE SIGNED:	01/30/2018
Total Attachments: 8	
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PATENT REEL: 044766 FRAME: 0931

### **ASSIGNMENT**

For valuable consideration, we, <u>PARK, Seungwook</u> of <u>LG Electronics Inc.</u>, <u>Convergence</u> R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, LIM, Jaehyun of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, JEON, Yongjoon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, HENDRY, Hendry of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, CHOI, Younghee of of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, SUNG, Jaewon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, KIM, Jungsun of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, JEON, Byeongmoon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea and PARK, Joonyoung of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, hereby assign to: LG ELECTRONICS INC., a corporation of Republic of Korea having a place of business at: 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721 Republic of Korea; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled METHOD FOR ENCODING AND DECODING IMAGE INFORMATION AND DEVICE <u>USING SAME</u>, filed on <u>June 28, 2013</u>, and assigned U.S. Serial Number 13/977,144 , and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors'

> PATENT REEL: 0**30**708 FRAME: 0**932**

Attorney's Docket No.:	BPP2011-0440-US (LG: 11FCVL426US02)
certificates for said inventions and improvements	; and we agree for ourselves and our respective
heirs, legal representatives and assigns, without fe	urther compensation to perform such lawful acts
and to sign such further applications, assignments	s, Preliminary Statements and other lawful
documents as the Assignee may reasonably reque	st to effectuate fully this assignment
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PARK, Seungwook	Date: 2013, 5.22
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MAIN	Date: 2013. +. 22
LIM, Jaehyun	
TON W.	Date: 2013. 1.32
JEON, Yongjoon	
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HENDRY, Hendry	Date:
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	Date Date Date Date Date Date Date Date
CHOI, Younghee	CCCONICS
	Date:
SUNG, Jaewon	
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KIM, Jungsun	Date: 2013. S. 22
Tanvi, Jungsun	
- Chilles My Jean	n. 2013 A.S
JEON, Bycongmoon	Date:
	Date:
PARK, Joonyoung	

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Date:

Witnessed by:

Name: \_

### ASSIGNMENT

For valuable consideration, we, PARK, Seungwook of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, LIM, Jaehyun of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, JEON, Yongjoon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, HENDRY, Hendry of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, CHOI, Younghee of of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, SUNG, Jaewon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, KIM, Jungsun of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, JEON, Byeongmoon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea and PARK, Joonyoung of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, hereby assign to: LG ELECTRONICS INC., a corporation of Republic of Korea having a place of business at: 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721 Republic of Korea; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled METHOD FOR ENCODING AND DECODING IMAGE INFORMATION AND DEVICE USING SAME, filed on June 28, 2013 , and assigned U.S. Serial Number 13/977,144 , and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors'

> PATENT REEL: 0**39**708 FRAME: 0**93**4

documents as the ressignee may reason	nably request to effectuate fully this assignment
PARK, Seungwook	Date:
LIM, Jaehyun	Date:
JEON, Yongjoon	Date:
HENDRY, Hendry	Date:
CHOI, Younghee	Date: 14th Dec. 2012
SUNG, Jaewon	Date:
KIM, Jungsun	Date:
JEON, Byeongmoon	Date:
	Date:

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Attorney's Docket No.:

certificates for said inventions and improvements; and we agree for ourselves and our respective

BPP2011-0440-US (LG: 11FCVL426US02)

PATENT REEL: 0**30**768 FRAME: 0**938** 

Date:

### **ASSIGNMENT**

For valuable consideration, we, PARK, Seungwook of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, LIM, Jaehyun of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, JEON, Yongjoon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, HENDRY, Hendry of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, CHOI, Younghee of of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, SUNG, Jaewon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, KIM, Jungsun of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, JEON, Byeongmoon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea and PARK, Joonyoung of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, hereby assign to: LG ELECTRONICS INC., a corporation of Republic of Korea having a place of business at: 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721 Republic of Korea; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled METHOD FOR ENCODING AND DECODING IMAGE INFORMATION AND DEVICE <u>USING SAME</u>, filed on <u>June 28, 2013</u>, and assigned U.S. Serial Number 13/977,144 , and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors'

> PATENT REEL: 0**30**708 FRAME: 0**930**

Attorney's Docket No.:	BPP201 -0440-US (LG: 11FCVL426US02)
	nents; and we agree for ourselves and our respective
	out further compensation to perform such lawful acts
	nents, Preliminary Statements and other lawful
documents as the Assignee may reasonably re	equest to effectuate fully this assignment
	Date:
PARK, Seungwook	
	Date:
LIM, Jaehyun	
JEON, Yongjoon	Date:
isott, rongoon	
	Date:
HENDRY, Hendry	Butc.
	Date:
CHOI, Younghee	
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SUNG, Jaewon	Date: Time 5, 2013
	Date:
KIM, Jungsun	
	Date:
JEON, Byeongmoon	
PARK, Joonyoung	Date:
, ,	
Witnessed by:	
Name:	Date:
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PATENT

REEL: 034768 FRAME: 0950

Attorney's Docket No.: 21613-0086US1 BPP2011-0440-US (LG: 11FCVL426US02)

#### **ASSIGNMENT**

For valuable consideration, we, PARK, Seungwook of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, LIM, Jaehyun of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, JEON, Yongjoon of LG Electronics Inc., Convergence R&D Lab., 221 Yangiae-dong, Seocho-gu Seoul 137-130 Republic of Korea, HENDRY, Hendry of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, CHOI, Younghee of of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, SUNG, Jaewon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, KIM, Jungsun of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, JEON, Byeongmoon of LG Electronics Inc., Convergence R&D Lab., 221 Yangiae-dong, Seocho-gu Seoul 137-130 Republic of Korea and PARK, Joonyoung of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, hereby assign to: LG ELECTRONICS INC., a corporation of Republic of Korea having a place of business at: 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721 Republic of Korea; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled METHOD FOR ENCODING AND DECODING IMAGE INFORMATION AND DEVICE <u>USING SAME</u>, filed on <u>June 28, 2013</u>, and assigned U.S. Serial \_\_\_\_, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors'

> PATENT REEL: 0**39**768 FRAME: 0**958**

Attorney's Docket No.:

BPP2011-0440-US (LG: 11FCVL426US02) certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful

documents as the Assignee may reasonably request to effectuate fully this assignment

	Date:
PARK, Seungwook	
LIM, Jaehyun	Date:
JEON, Yongjoon	Date:
HENDRY, Hendry	Date:
CHOI, Younghee	Date:
SUNG, Jaewon	Date:
KIM, Jungsun	Date:
JEON, Byeongmoon	Date:
PARK, Joonyoung	Date: May (6, 2013
Witnessed by:	
Name:	Date:
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PATENT REEL: 0**34**768 FRAME: 0**952** 

RECORDED: 06/28/2018